

147-049-009

September 13, 1976

Mr. Ken Wong  
Stauffer Chemical Co.  
Star Route  
Randolph, Utah 84064

Re: Seed mixture for phosphate  
mine area north of Vernal

Dear Mr. Wong:

As a follow-up to our telephone conversation of September 8, 1976, herewith is a suggested seed mixture for the phosphate mine area north of Vernal, Utah. Since I have never been on-site this is only an estimate based on my eclectic knowledge of the area.

<u>SPECIES</u>	<u>RATE/ACRE</u>	<u>BEST PLANTING SEASON</u>
Grasses:		
Crested Wheatgrass (Agropyron cristatum)	3	Fall
Intermediate Wheatgrass (Agropyron intermedium)	3	Fall
Smooth Brome grass (Bromus inermis)	3	Fall
Western Wheatgrass (Agropyron smithii)	3	Fall
Forbs:		
Ranger Alfalfa (medicago sativa)	2	Fall
Yellow Sweetclover (Melilotus officinalis)	1	Fall



Page Two  
September 13, 1976  
Mr. Ken Wong

<u>SPECIES</u>	<u>RATE/ACRE</u>	<u>BEST PLANTING SEASON</u>
Shrubs:		
Sand Cherry ( <i>Prunus besseyi</i> )	1	Fall
Utah Serviceberry ( <i>Amelanchier utahensis</i> )	1	Fall
Antelope Bitterbrush ( <i>Purshia tridentata</i> )	1	Fall

Total = 18 lbs/acre

In some locales the shrub species are best established through transplanting bare root stock. One source of these is at the State Forest Tree Nursery in Salt Lake City, Utah.

A list is enclosed of seed suppliers that we know of in the Intermountain and Western United States.

If you do not have a copy, a useful document on the reclamation in the western phosphate field can be obtained from the information section of the U.S. Forest Service Regional Office in Ogden, Utah. The report is entitled "Surface Mine Reclamation" and is a cooperative administrative study to rehabilitate phosphate strip-mined sites, published in January of 1971. Some useful information is also included on slope stability, terracing and re-grading of surface mined areas.

If you need some additional assistance in preparing the mining and reclamation plan please contact either myself or Brian Buck, Engineering Geologist with our Division, we would be open to arranging a meeting or a site visit with you.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Ronald W. Daniels  
Coordinator of Mined  
Land Development

RWD/lm

enc: List of Seed Suppliers